Applicant(s)/Patent under Application/Control No. Index of Claims Reexamination 10/521,300 HAMELIN ET AL. Examiner **Art Unit** Jennifer E. Graser 1645 (Through numeral) Cancelled Rejected Non-Elected Appeal N Α = Allowed Restricted Interference Objected

| | | = | ^ | MIC | we | ₽d | | | ÷ | | | Re | estric | cte | d | | | | 1 | In | iter | fere | en | ce | | 0 | | 0 | bje | cte | d | i | | |
|----------|----------|-----------|----------|----------|--------------|----------|----------|----------|----------|----------|-----|----------|-----------|---------------|--|----------|----------------|----------|----------|------------|----------|----------|---------|---------------|------------|----------|----------|---------------|----------------|----------|----------|-------------|-----------|--------------|
| | | 7 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | _ | | | | <u>_</u> | | |
| Cla | aim ' | 1 | Щ | 1 | _ | Dat | e | | ·— | | | Cla | im | | | | _ [| ate | ; | | | _ | Ļ | Cla | aim | | | _ | _[| Date | <u> </u> | | | |
| Final | Original | 3 | 12 | | | | | | | | | Final | Original | | | | | | | | | | | Final | Original | | | | | | | | | |
| | 1 | 1 | 匚 | | | | | | | | | | 51 | | | | | | | | | | | | 101 | | | | | | | \sqsupset | | |
| - | 3 | - | +- | - | ╀ | - | ŀ | | L | _ | | | 52 53 | _ | - | <u> </u> | | \dashv | _ | 4 | + | _ | - | | 102 103 | | | \vdash | $\vdash\vdash$ | | | | \dashv | <u> </u> |
| <u> </u> | 4 | - | ╁╌ | ┢ | ╁ | ╁ | ╁╌ | - | - | - | Ì | | 54 | - | | | H | \dashv | - | \dashv | ÷ | \dashv | F | , | 103 | | | \vdash | Н | Н | \dashv | \dashv | - | |
| | 5 | ▮ | T | T | 1 | 1 | T | Т | \vdash | t | i | | 55 | H | \vdash | H | Н | \neg | _ | 寸 | 十 | - | ŀ | | 105 | _ | | \neg | \vdash | | \neg | \dashv | \dashv | |
| | 6 | | | | | | | | | | | | 56 | | | | | | | | | | | | 106 | | | | | | | | | |
| | 7 | L | ╄- | ┞_ | $oxed{\bot}$ | 1 | 1 | | _ | _ | | | 57 | <u> </u> | _ | <u> </u> | | \dashv | _ | _ | _ | _ | L | | 107 | | | Щ | Ш | | _ | \dashv | _ | |
| - | 8 | ┞ | +- | ⊢ | ╀ | +- | ╀ | <u> </u> | - | _ | | | 58 59 | - | | - | - | - | \dashv | - | + | \dashv | ŀ | | 108 109 | | | \vdash | Н | - | \dashv | \dashv | \dashv | |
| | 10 | \dagger | + | \vdash | ╁ | ╁ | ╁ | H | ┢ | H | ٠٠ | | 60 | | \vdash | \vdash | | | \dashv | \dashv | + | \dashv | ŀ | | 110 | | \vdash | $\overline{}$ | \vdash | | - | | | |
| | 11 | 1 | T | | T | | 1 | T | | Г | | | 61 | | | \vdash | П | 一 | | 寸 | \dashv | ヿ | r | | 111 | _ | | | П | | - | | \dashv | |
| | 12 | \prod | | | Γ | | | \Box | | | | | 62 | | | | | | | | | | | | 112 | | | | | | | | | |
| <u> </u> | 13 14 | 1 | \vdash | - | ╄- | \vdash | \vdash | \vdash | _ | \vdash | | | 63 | <u> </u> | <u> </u> | <u> </u> | Н | \sqcup | _ | 4 | + | \dashv | - | | 113 | | | | \vdash | | _ | | _ | <u> </u> |
| | 15 | H | + | \vdash | +- | +- | \vdash | \vdash | H | \vdash | | | 64 65 | \vdash | \vdash | \vdash | Н | \dashv | \dashv | \dashv | + | \dashv | - | | 114 115 | _ | \vdash | | \vdash | \dashv | \dashv | \dashv | \dashv | \vdash |
| | 16 | H | T | \vdash | 十 | ╁ | \vdash | H | Т | 一 | 1 | | 66 | \vdash | \vdash | | Н | | \neg | \dashv | 十 | - | ŀ | | 116 | _ | | \Box | \vdash | . | -1 | \dashv | \dashv | |
| | 17 | | | | | | | | | | | | 67 | | | | | | | | \top | | r | | 117 | | | \Box | П | | | | \neg | |
| | 18 | Ц | | | | L | | | | | | | 68 | | | | | | \Box | \Box | \perp | | I | | 118 | | | | \square | | | \Box | | |
| | 19 20 | H | ╀ | ┡ | \vdash | ╀ | | ⊢ | _ | - | | | 69 | - | <u> </u> | | | | 4 | \dashv | \dashv | 4 | 1 | | 119 | | | Н | Н | Ц | | | | |
| | 21 | H | - | - | - | \vdash | \vdash | | | | | | 70 71 | ⊢ | ⊢ | | | \dashv | \dashv | \dashv | \dashv | ⊢. | ŀ | \rightarrow | 120 121 | | \dashv | \vdash | \vdash | \dashv | \dashv | \dashv | \dashv | |
| | 22 | Н | T | H | ┢ | + | | | | | | <u> </u> | 72 | \vdash | | | | \dashv | \dashv | _ | \dashv | 1 | H | | 122 | | \dashv | \vdash | \dashv | \dashv | \dashv | \dashv | \dashv | |
| | 23 | | | | | | | | | | | | 73 | | | | | | | | | | Ī | | 123 | | | | | | | | | |
| | 24 | Ц | <u> </u> | <u> </u> | | | | | | | | | 74 | | | | | \Box | \Box | \Box | \perp | | | | 124 | | | | | | | | | |
| | 25 26 | H | ╀ | ┝ | ⊢ | ┼ | ├ | | _ | <u> </u> | | <u> </u> | 75 76 | <u> </u> | | | | | \dashv | \dashv | \dashv | 4 | H | | 125 | | \dashv | \vdash | \vdash | \dashv | \dashv | \dashv | | |
| \vdash | 27 | ╁ | ╁ | | \vdash | \vdash | ╁ | | _ | | | - | 77 | | - | | | - | \dashv | \dashv | \dashv | \dashv | 1 | | 126 127 | | | \vdash | \vdash | \dashv | | - | \dashv | |
| _ | 28 | Н | 15 | 一 | 十 | t | 1 | H | _ | | | <u> </u> | 78 | <u> </u> | \vdash | | \neg | \dashv | \dashv | \dashv | \dashv | \dashv | h | | 128 | | | \neg | \vdash | \neg | \dashv | _ | \dashv | |
| | 29 | Y | \Box | | | | | | | | 1 | | 79 | | | | | | · | | | | Ĺ | | 129 | | | | | | | | | |
| | 30 - | 7 | \perp | | L | L. | <u> </u> | | | | | | 80 | L | | | | | | \Box | \Box | | E | | 130 | | | | | | | \Box | | |
| | 31 | Γ. | t | 1 | | - | _ | <u> </u> | | - | | | 81 82 | <u> </u> | <u> </u> | _ | | - | \dashv | \dashv | | - | ŀ | | 131 132 | | | - | \vdash | | \dashv | \dashv | | |
| 1 | 33 | H | Ť | - | | \vdash | ┢ | H | _ | | | | 83 | \vdash | ┝ | | | \dashv | \dashv | \dashv | ╅ | \dashv | H | | 133 | | \dashv | \vdash | \vdash | _ | \dashv | \dashv | \dashv | |
| | 34 | | 1 | | T | | | <u> </u> | | Ι | ĺ | | 84 | H | \vdash | | П | \neg | ┪ | 寸 | \dashv | | Ì | | 134 | | | \neg | П | \dashv | -1 | \neg | 寸 | |
| | 35 | Z | | | | | 1 | | | |] | | 85 | | | | | | | | | | | | 135 | | | | | | | \Box | | |
| | 36 | L` | ➣ | L | ╙ | ╙ | \Box | 1 | | | | | 86 | <u> </u> | | | | _ | | _ | _ | | 1 | | 136 | | _ | — | \vdash | \dashv | 4 | _ | _ | |
| - | 37 38 | - | ╁ | <u> </u> | \succeq | | F | - | _ | _ | ٠. | | 87 88 | - | H | | -1 | | \dashv | \dashv | + | \dashv | \perp | - | 137 138 | | | _ | - | - | ᅱ | \dashv | \dashv | _ |
| - | 39 | \vdash | +- | \vdash | \vdash | + | \vdash | \vdash | 1 | \vdash | : | <u> </u> | 89 | | \vdash | _ | Н | \dashv | \dashv | \dashv | + | \dashv | ŀ | - | 139 | \dashv | \vdash | _ | - | \dashv | \dashv | \dashv | \dashv | |
| | 40 | Т | T | \vdash | ╁╌ | 1 | 厂 | | \vdash | 1 | | | 90 | _ | ┢╌ | | Н | \dashv | \dashv | \dashv | \dashv | \dashv | ŀ | | 140 | \vdash | | _ | \vdash | | | \neg | \dashv | |
| | 41 | | | | | | | | | \Box | | | 91 | | | | | | | | | | | | 141 | | | | | | | | | |
| | 42 | _ | | | <u> </u> | 1 | | \Box | | L | 1 | | 92 | L | | | | \Box | _ | _ | _ | _ | F | | 142 | | Ц | \dashv | Щ | _ | | \dashv | _ | |
| | 43 44 | <u> </u> | ╀ | H | \vdash | \vdash | ⊢ | H | | <u> </u> | `` | <u> </u> | 93 94 | H | \vdash | <u> </u> | Н | - | | \dashv | + | \dashv | ŀ | | 143 144 | | | | | \dashv | | \dashv | - | \dashv |
| | 45 | - | +- | - | - | \vdash | \vdash | H | _ | - | . ' | | 95 | ├ | \vdash | _ | \vdash | \dashv | \dashv | \dashv | + | \dashv | ŀ | \dashv | 145 | - | \vdash | _ | | \dashv | - | - | \dashv | |
| | 46 | <u> </u> | t^- | | \vdash | T | \vdash | | _ | \vdash | | \vdash | 96 | H | \vdash | | Ė | ᅥ | 7 | 寸 | + | \dashv | t | | 146 | _ | | \neg | П | \neg | \neg | \dashv | \exists | \neg |
| | 47 | | | | | L | L | | | | | | 97 | | | | | | | | 工 | | | | 147 | | | | | | | \Box | | |
| | 48 | _ | | L | Ļ | | | | | L | | | 98 | L | | | | _[| \Box | _ | \perp | _ | F | | 148 | | | | oxdot | _ | _ | _ | _ | |
| <u> </u> | 49 50 | - | \vdash | \vdash | ╀ | \vdash | ⊢ | - | <u> </u> | \vdash | | <u> </u> | 99 100 | H | - | <u> </u> | $\vdash\dashv$ | - | - | \dashv | + | \dashv | ŀ | - | 149 150 | _ | \dashv | | | | - | \dashv | \dashv | \dashv |
| ш | อบ | L | 1 | | <u> </u> | | <u></u> | | | L | | | 100 | L | | | | | | $_{\perp}$ | _1. | | L | | 150 | | L | | لــــا | | | \perp | | |